

## **Deepwater Horizon SITREP**

**05/22/2010 0600 - 05/22/2010 1900**

### **Division: Chalmette, St. Bernard Parish LA**

**Monitoring Locations:** 3 Air Monitoring/Sampling Locations, monitoring continues.

1. C02 - located at Fire Station number 8, Poydras LA - 29.86609N. -89.89108W
2. C04 – located at Fire Station on Aycock St in Chalmette, LA - 29.96082, -90.00132
3. C05 – located at Fire Station number 11, Hopedale, LA, - 29.84049, -89.68980

**Air Monitoring Equipment:** Each location has 4 pieces of air equipment (3 back up AreaRaes, and 3 DataRams).

1. AreaRae - monitoring VOCs
2. PQ200 - samples for PM2.5
3. Suma Canister per location - sample for VOCs
4. EBAM – monitoring particulate matter

**Samples Collected:**

- 3 – Water
- 0 – Sediment
- 0 – Toxicity
- 3 – Dispersant
- 0 – Oil (mousse)
- 3 – Suma Canisters (VOCs)
- 3 – Filters (24-hour 2.5 particulate)

**Air Sampling/Monitoring Operations Team:**

- Hourly average monitoring data through approximately 0730 05/22/2010 has been published to SCRIBE at 1200 5/22/2010.
- Sample location information for 5/21/2010 was published at approximately 1200 5/22/2010.
- 3 monitoring locations were checked at approximately 1.5-2 hour intervals beginning at 0600 this operational period.
  - AreaRAEs/MultiRae instruments reported 0 VOC exceedances.
  - EBAM instruments reported 0 particulate exceedances
- Additional equipment has been implemented to conduct Benzene monitoring if the VOC levels exceed the 10 PPM action level.
- 3 Suma canisters (VOC analysis) were collected during the 05/22/2010 1400-1900 operations period. All locations are using the 24 hour Suma canister regulators.
- 3 Filters were collected from PQ200 samplers during 05/22/2010 1400-1900 operations period.
- All operations currently nominal.
- An exceedance of the hourly average for the EBAM at location C02, between 2300 and 2400 on 5/21/10 was noted during the publishing of data during the previous reporting period. The data manager reviewed the data used to comprise the hourly average and noted that the readings spiked for the 30 minutes of the middle of the reporting hour. The levels rose from 30 ug/m3 to 230 ug/m3, and then dropped to 17 ug/m3, according to the 10 minute averaging report. The air team had visited the monitor at 2315 and documented site conditions as normal with no visible particulates, and no extenuating meteorological conditions. A subsequent visit at 0125 indicated similar conditions with no indications of particulates. The exceedance was discussed with the air team leader, and all conditions indicate vehicular traffic at the fire station was the cause of the elevated levels. Personnel at the Houma Incident Command Post confirmed that no burning occurred on 5/21/10.

**Water Operations Team:**

- Water operations are currently underway in the Terrebonne/Timbalier/Barataria Bay area.

- The Water Operations Team will target sample collection from four points of concern (NCA10-1336, NCA10-1332, NCA10-1328, and 0009), sampling the locations once every 3-5 days. As the points of concern were sampled within the past 2 days, the sites were not sampled during this reporting period.
- The team collected 3 samples from pre-determined points:
  - NCA10-2339
  - NCA10-2335
  - 0010
- The Water Operations Team did not encounter any floating oil product in the form of mousse or sheen.
- The Water Operation Team did not document any oiled wildlife or detect any petroleum odors.

#### **Current EPA Assets**

- Deployed to Chalmette, LA
  - 3 OSCs
  - 13 START personnel
  - 1 EPA LRV
  - 1 EPA Boat

### **Division: Venice, Plaquemines Parish, LA**

#### **Air Monitoring Locations:**

1. V02 - located at USCG, Venice, LA, 29.25274, -89.35750
2. V03 - located at Welding Supply Co. in Boothville, LA, 29.31449, -89.38433
3. V05 - located at Fort Jackson, LA, 29.35699, -89.45487

#### **Air Monitoring Equipment:** Each location has 4 pieces of air equipment:

1. EBAM Particulate Monitors (PM10)
2. AreaRae/MultiRae - monitoring VOCs/H<sub>2</sub>S/CO
3. PQ200 - samples for PM 2.5
4. Summa Canister - sample for VOCs

#### **Samples collected**

- 5 – Water/Oil
- 0 – Sediment
- 3 – Summa Canister (24-hour VOCs)
- 3 – Filters (24-hour PM 2.5)

#### **Air Sampling Team:**

- Hourly average monitoring data through approximately 0915 05/21/2010 was published to SCRIBE at 1150 05/21/10.
- 24-hour air monitoring and sampling continues at the locations above.
- All 3 monitoring locations were last checked at approximately 1700 today.
- MultiRae monitoring data for VOCs, H<sub>2</sub>S and CO associated with V02 were not logged from approximately 1000 through 1400 due to instrument malfunction.
- Summa replacement canister for Station V03 was staged.
- AreaRaes/MultiRaes are rotated at each location, and brought in to the MCP for data downloading, charging, and calibration at approximately 8-hour intervals. EBAM data is wirelessly transmitted to the MCP.
- Instruments are kept in operation using external rechargeable batteries. Marine batteries have been obtained to extend battery life. Station V02 and Station V03 are on AC power.
- The stations are visited every hour to two hours and the AreaRaes/MultiRaes are read to determine the maximum reading from the last equipment download and battery levels checked.

This number is relayed back to the Venice MCP. No exceedances of action levels were observed.

**Water Sampling Team:**

- Water operations are currently underway near the Southeast and Northeast Passes area of the Mississippi River.
- The Water Operations Team will target water sample collection from five points of concern (2001, 2002, 2003, SW02 and SW03), sampling each location once every 3-5 days.
- The team observed an area of oil, within Redfish Bay, that appeared to have been previously treated with dispersant. The emulsified oil was evenly dispersed in 6" patties covering line of sight.
- The team collected 1 oil sample.
  - OIL01 (T001-OIL01-100522-OW-1) collected from 29.1842, -89.038983
- The team collected 3 samples from pre-determined points:
  - 2003 (T001-2003-100522-SW-1) collected from 29.1905, -89.041333
  - SW02 (T001-SW02-100522-SW-1) collected from 29.12115, -89.05385
  - SW03 (T001-SW03-100522-SW-1) collected from 29.00365, -89.150000

**Current EPA Assets**

- Deployed to Venice, LA
  - 1 OSC
  - 16 START personnel
  - 1 MCP
  - One EPA Gooseneck Trailer
  - One EPA 20 KW Generator